Author Index to Volume 178

Abe, J., N. Kunimatsu, A. Shimojima and H. Takahashi, Time-resolved resonance Raman	
spectra of the triplet state and the radical cation of 5-dibenzosuberenol and its pho-	
toionization mechanism	178 (1991) 547
Adachi, C., see M. Era	178 (1991) 488
Ahlrichs, R., see M. Bär	178 (1991) 241
Albrecht, A.C., see A.P. Shreve	178 (1991) 89
Almlöf, J., see R. Jurgens-Lutovsky	178 (1991) 451
Amouyal, E., see V.Ya. Shafirovich	178 (1991) 24
Asmar, F., see K.I. Barnhard	178 (1991) 150
Atakan, B. and J. Wolfrum, Kinetic studies of the reactions of NCO radicals with NO and	
O ₂ in the temperature range between 294 and 1260 K	178 (1991) 157
Atkinson, G.H., see H. Hayashi	178 (1991) 388
Ballhausen, C.J., The general quantum-mechanical solution to the harmonic oscillator with	
a time-dependent force constant	178 (1991) 579
Balzani, V., see L. De Cola	178 (1991) 491
Bao, Y., see R.S. Urdahl	178 (1991) 425
Bär, M. and R. Ahlrichs, Theoretical investigation of the AlCu ground state	178 (1991) 241
Barigelletti, F., see L. De Cola	178 (1991) 491
Barnhard, K.I., A. Santiago, M. He, F. Asmar and B.R. Weiner, Pressure and temperature	
dependence of the $C_2H_3O + NO_2$ reaction	178 (1991) 150
Bartlett, R.J., see J.D. Watts	178 (1991) 259
Bartlett, R.J., see J.D. Watts	178 (1991) 471
Baumgärtel, H., see E. Rühl	178 (1991) 558
Bawagan, A.D.O., see L.A. Graham	178 (1991) 441
Beckers, H., see J. Pola	178 (1991) 192
Berberan-Santos, M.N. and J.M.G. Martinho, Reversibility in monomer-excimer kinetics	178 (1991) 1
Berry, M.T., M.R. Brustein, M.I. Lester, C. Chakravarty and D.C. Clary, Stimulated emis-	
sion pumping of van der Waals vibrations in the ground electronic state of OH-Ar	178 (1991) 301
Beuermann, Th. and M. Stuke, Photolysis of group III (Al, Ga, In) trimethyl compounds: detection of organic photofragments CH ₃ and C ₂ H ₆ by picosecond laser mass	
spectroscopy	178 (1991) 197
Biller, E., see E. Rühl	178 (1991) 558
Birch, D.J.S., G. Hungerford, R.E. Imhof and A.S. Holmes, The fluorescence properties of	
DCM	178 (1991) 177
Blackburn, F.R., D.L. Snavely and I. Oref, Visible absorption spectrum of gaseous ferrocene	178 (1991) 538
Bonatsos, D., P.P. Raychev and A. Faessler, Quantum algebraic description of vibrational	,
molecular spectra	178 (1991) 221
Brenner, H., see S.A. Gilbert	178 (1991) 379
Brustein, M.R., see M.T. Berry	178 (1991) 301
,	(, , , , , , ,

Brzezinski, B. and G. Zundel, Fluctuation of Be2+ between four N-oxide acceptors and the	
polarizability caused by the Be ²⁺ motion	178 (1991) 135
Brzezinski, B. and G. Zundel, An intramolecular chain of four hydrogen bonds in the	
1,11,12,13,14-pentahydroxymethylpentacene tetrabutylammonium salt	178 (1991) 138
Burgdörfer, J., see J. Müller	178 (1991) 60
Bürger, H., see J. Pola	178 (1991) 192
Cai, ZL., GH. Sha, CH. Zhang and MB. Huang, Ab initio study of low-lying elec-	
tronic states of the NF ₂ radical	178 (1991) 273
Castleman Jr., A.W., see S. Wei	178 (1991) 411
Cernusak, I., see J.D. Watts	178 (1991) 259
Chakravarty, C., see M.T. Berry	178 (1991) 301
Chan, Y.C. and J.A. Gelbwachs, Collisional energy transfer between Ca(4p ¹ P ₁ -4p ³ P _J)	
and quenching of Ca(4p ³ P _J) and Ca(4p ¹ D ₂) induced by xenon	178 (1991) 523
Chaudhuri, D., B.D. Schlyer and A.H. Maki, Spin-lattice relaxation in a guest triplet state	
is induced by proton tunneling in a benzoic acid host crystal	178 (1991) 97
Chen, C., see Q. Lu	178 (1991) 517
Chen, Y., see Q. Lu	178 (1991) 517
Chin, S.A. and E. Krotscheck, A microscopic calculation of the dynamic structure function	
of ⁴ He clusters	178 (1991) 435
Chou, PT., S.L. Studer and M.L. Martinez, Studies of the triplet state of 2-(2'-	
hydroxyphenyl)benzothiazole	178 (1991) 393
Ci, X. and A.B. Myers, A resonance Raman study of solvent effects on the excited state	
potential surface of trans-stilbene, Chem. Phys. Letters 158 (1989) 263. Erratum	178 (1991) 450
Clary, D.C., see M.T. Berry	178 (1991) 301
Clouthier, D.J., see H. Yu	178 (1991) 341
Colussi, A.J., S.P. Sander and R.R. Friedl, Thermodynamics of acetylene van der Waals	.=000
dimerization	178 (1991) 497
Costes, M., see C. Naulin	178 (1991) 325
Cramb, D.T., M.C.L. Gerry, F.W. Dalby and I. Ozier, The (2,5) vibrational band of the	
A-X system of N ₂ ⁺ observed using an infrared diode laser velocity modulation	170 (1001) 115
spectrometer	178 (1991) 115
Crosley, D.R., see D.E. Heard	178 (1991) 533
Czuchaj, E., F. Rebentrost, H. Stoll and H. Preuss, Pseudopotential calculations for the	179 (1001) 246
potential energy curves and transition dipole moments of the NaHg system	178 (1991) 246
Dalby, F.W., see D.T. Cramb	178 (1991) 115
Das, S., see P.V. Kamat	178 (1991) 75
De Almeida, W.B. and P.J. O'Malley, The potential energy surface of H ₄ SiO ₄	178 (1991) 483
De Cola, L., F. Barigelletti, V. Balzani, R. Hage, J.G. Haasnoot, J. Reedijk and J.G. Vos,	
Electronic energy transfer in bimetallic Ru-Os complexes containing the 3,5-bis (pyridin-	
2-yl)-1,2,4-triazolate bridging ligand	178 (1991) 491
Delaire, J., see V.Ya. Shafirovich	178 (1991) 24
Demtröder, W., see U. Diemer	178 (1991) 330
Diehl, P., O. Muenster and J. Jokisaari, Magnetic resonance of ²¹ Ne in liquid solvents	178 (1991) 147
Diemer, U., J. Gress and W. Demtröder, The $2^3\Pi_g \leftarrow x^3\Sigma_u$ triplet system of Cs ₂	178 (1991) 330
Donlon, M., see O.J. Nielsen	178 (1991) 163

Volume 178, number 5,6	CHEMICAL PHYSICS LETTERS	5 April 1991
Dorthe, G., see C. Naulin		178 (1991) 325
Doubleday Jr., C., see T.W. Scott		178 (1991) 9
Drewello, T., A.J.R. Heck and N.	M.M. Nibbering, Electron-capture-induced decomposi-	
tion of the supposed ethane die		178 (1991) 285
Duray, S.J., see C.E. Mooney		178 (1991) 419
•		
Ellis, A.M., see E.S.J. Robles		178 (1991) 185
Engel, V., Femtosecond pump/pro	bbe experiments and ionization: the time dependence of	
the total ion signal		178 (1991) 130
Enomoto, Y., T. Kakitani, A. Yos	himori, Y. Hatano and M. Saito, Monte Carlo simula-	
tion study on reorganization en	nergy of electron-transfer reactions in polar solution	178 (1991) 235
Era, M., C. Adachi, T. Tsutsui and	S. Saito, Double-heterostructure electroluminescent de-	
vice with cyanine-dye bimolecu	ılar layer as an emitter	178 (1991) 488
Ernst, R.R., see C. Gemperle		178 (1991) 565
Estévez, G.A., see S. Zarrabian		178 (1991) 55
		•
Faessler, A., see D. Bonatsos		178 (1991) 221
Ford, T.A., see G.A. Yeo		178 (1991) 266
Friedl, R.R., see A.J. Colussi		178 (1991) 497
Fujisawa, M., see Y. Taguchi		178 (1991) 363
Garrett, A.W., see A.J. Gotch		178 (1991) 121
Gartstein, Yu.N. and I.O. Yatsevich	h, Adiabatic equilibrium localization on a dimer at high	
temperatures		178 (1991) 216
Geers, A., J. Kappert, F. Temps and	J.W. Wiebrecht, Collisional relaxation of CH ₃ O (Ã ² A ₁ ,	
$v_3=1, K=9, N=9, J=8.5$) by I	He	178 (1991) 317
Gelbwachs, J.A., see Y.C. Chan		178 (1991) 523
Gemperle, C., A. Schweiger and R.	R. Ernst, Electron-spin-echo envelope modulation with	
improved modulation depth		178 (1991) 565
George, M.V., see P.V. Kamat		178 (1991) 75
Gerry, M.C.L., see D.T. Cramb		178 (1991) 115
Gilbert, S.A., T. Kirski, H. Brenner	r and C. von Borczyskowski, Low temperature tunnel-	
ing of triplet excitation energy		178 (1991) 379
Goddard, J.D., see H. Yu		178 (1991) 341
Gordon, R.J., see P.T.A. Reilly		178 (1991) 511
Gotch, A.J., A.W. Garrett, D.L. Sev	verance and T.S. Zwier, The structure and photophysics	
of clusters of immiscible liquids	$: C_6H_6-(H_2O)_n$	178 (1991) 121
Graham, L.A. and A.D.O. Bawagan	, Finite collision volume effects in electron momentum	
spectroscopy (EMS) experimen	ts	178 (1991) 441
Gress, J., see U. Diemer		178 (1991) 330
Haasnoot, J.G., see L. De Cola		178 (1991) 491
Hage, R., see L. De Cola		178 (1991) 491
-	parison of the dynamics of the reactions of Ca ground	
and metastable atoms with CH26	Cl ₂ and CHCl ₃	178 (1991) 528
Harbola, M.K., see K.D. Sen		178 (1991) 347
Hatano, Y., see Y. Enomoto		178 (1991) 235

Hayashi, H., M. Tasumi and G.H. Atkinson, Vibrationally excited states in carotenoids:	
picosecond time-resolved anti-Stokes resonance Raman spectroscopy	178 (1991) 388
He, G., see K. Han	178 (1991) 528
He, M., see K.I. Barnhard	178 (1991) 150
Heard, D.E., J.B. Jeffries and D.R. Crosley, Collisional quenching of $A^2\Sigma^+$ NO and $A^2\Delta$	1,0 (1,,1)
CH in low pressure flames	178 (1991) 533
Heck, A.J.R., see T. Drewello	178 (1991) 285
Heinemann, D., see L. Yang	178 (1991) 213
Hershberger, J.F., see J. Wellman	178 (1991) 405
Hiraoka, K., I. Kudaka and S. Yamabe, A charge transfer complex CH ₃ ⁺ -Ar in the gas phase	178 (1991) 103
Hiraya, A. and K. Shobatake, Direct absorption spectra of S ₂ and S ₃ states of benzene	
clusters	178 (1991) 543
Hitchcock, A.P., see E. Rühl	178 (1991) 558
Hohlneicher, G., see P. Swiderek	178 (1991) 289
Holmes, A.S., see D.J.S. Birch	178 (1991) 177
Horiai, K., see H. Uehara	178 (1991) 553
Howard, S.L., Analysis of the energy window for the quantum-state and angular scattering	
specificity in Ar ⁺ charge transfer with N ₂	178 (1991) 65
Huang, MB., see ZL. Cai	178 (1991) 273
Hungerford, G., see D.J.S. Birch	178 (1991) 177
To the second se	170 (1001) 200
Imajo, T., see T. Imamura	178 (1991) 399
Imamura, T., T. Imajo and I. Koyano, Collisional deactivation of CO ⁺ A $^2\Pi(v=0-2)$ by	178 (1991) 399
He, Ne, Ar, N ₂ , and CO	178 (1991) 177
Imhof, R.E., see D.J.S. Birch	176 (1991) 177
Jackson, W.M., see R.S. Urdahl	178 (1991) 425
Jeffries, J.B., see D.E. Heard	178 (1991) 533
Jhon, M.S., see B.J. Yoon	178 (1991) 253
Jochims, H.W., see E. Rühl	178 (1991) 558
Jokisaari, J., see P. Diehl	178 (1991) 147
Jones, H., see RD. Urban	178 (1991) 295
Jortner, J., see E. Shalev	178 (1991) 31
Joy, R.W., see H.T. Liou	178 (1991) 80
Jurgens-Lutovsky, R. and J. Almlöf, Dual basis sets in calculations of electron correlation	178 (1991) 451
Kakitani, T., see Y. Enomoto	178 (1991) 235
Kamada, K., see H. Miyasaka	178 (1991) 504
Kamat, P.V., S. Das, K.G. Thomas and M.V. George, Ultrafast photochemical events as-	
sociated with the photosensitization properties of a squaraine dye	178 (1991) 75
Kappert, J., see A. Geers	178 (1991) 317
Kazempour, M.K., see S. Zarrabian	178 (1991) 55
Kirski, T., see S.A. Gilbert	178 (1991) 379
Klopper, W., R. Röhse and W. Kutzelnigg, CID and CEPA calculations with linear r_{12} terms	178 (1991) 455
Koda, S., see Q. Lu	178 (1991) 517
Koehorst, R.B.M., see I.V. Stanishevsky	178 (1991) 141
Kolb, D., see L. Yang	178 (1991) 213
Komornicki, A., see A.P. Rendell	178 (1991) 462

Volume 178, number 5,6	CHEMICAL PHYSICS LETTERS	5 April 1991
Kondow, T., see F. Misaizu		178 (1991) 369
Köppel, H., see U. Manthe		178 (1991) 36
Koshi, M., see Q. Lu		178 (1991) 517
Koyano, I., see T. Imamura		178 (1991) 399
	Kulander, Optical harmonic generation in atomic and	(
molecular hydrogen		178 (1991) 573
Krotscheck, E., see S.A. Chin		178 (1991) 435
Kuchitsu, K., see F. Misaizu		178 (1991) 369
Kudaka, I., see K. Hiraoka		178 (1991) 103
Kulander, K.C., see J.L. Krause		178 (1991) 573
Kunimatsu, N., see J. Abe		178 (1991) 547
Kutzelnigg, W., see W. Klopper		178 (1991) 455
Lasko, C.L., see E.M. McCauley		178 (1991) 109
Lee, T.J., see A.P. Rendell		178 (1991) 462
	J. Millen, Observation of c-type transitions and H, F	
nuclear spin-nuclear spin coupli	ng in the rotational spectrum of (CH ₂) ₂ OHF	178 (1991) 279
Lester, M.I., see M.T. Berry		178 (1991) 301
	d R.W. Joy, Successive single rotational level radiative f CS ₂ : evidence of state mixing caused by rotational	
coupling		178 (1991) 80
Lotshaw, W.T., see D. McMorrow		178 (1991) 69
Lou, N., see K. Han		178 (1991) 528
	ng, S. Yu, C. Chen, M. Koshi, H. Matsui, S. Koda and ace excitation spectrum of CCl ₂ cooled in a supersonic	
free jet		178 (1991) 517
Ma, X., see Q. Lu		178 (1991) 517
Maki, A.H., see D. Chaudhuri		178 (1991) 97
Mani, K., see R.P. Rastogi		178 (1991) 171
Manthe, U. and H. Köppel, Three	e-dimensional wave-packet dynamics on vibronically	
coupled dissociative potential er	nergy surfaces	178 (1991) 36
Marks, C.M. and L.D. Schmidt, Hy	ydroxyl radical desorption in catalytic combustion	178 (1991) 358
Martinez, M.L., see PT. Chou		178 (1991) 393
Martinho, J.M.G., see M.N. Berber	ran-Santos	178 (1991) 1
Martini, K., J.P. Toennies and C. V	Vinkler, Electron scattering from ⁴ He and Ne clusters:	
determination of the cluster den	sity from the electronic surface barrier potential	178 (1991) 429
Mataga, N., see H. Miyasaka		178 (1991) 504
Matsui, H., see Q. Lu		178 (1991) 517
	S. Tinti, ODMR spectra of randomly oriented triplet	170 (1001) 100
states in a low Zeeman field	Deskeries and almost a few days and a six days	178 (1991) 109
	Dephasing and relaxation in coherently excited ensem-	170 (1001) (0
bles of intermolecular oscillators		178 (1991) 69
Miller D. L. see P. Swiderek		178 (1991) 289
Miller, D.J., see A.C. Legon		178 (1991) 279
Miller, T.A., see E.S.J. Robles	phitsu Formation of possible ions of water alvators by	178 (1991) 185
Misaizu, F., I. Kondow and K. Kud	chitsu, Formation of negative ions of water clusters by	

electron transfer from high-Rydberg atoms

178 (1991) 369

Misra, G.P., see R.P. Rastogi	178 (1991) 171
Miyasaka, H., K. Morita, K. Kamada and N. Mataga, Picosecond-nanosecond laser pho-	•
tolysis studies on the photochemical reaction of excited benzophenone with 1,4-dia-	
zabicyclo[2.2.2]octane in acetonitrile solution: proton abstraction of the free benzo-	
phenone anion radical from the ground state amine	178 (1991) 504
Moc, J., J.M. Rudziński and H. Ratajczak, Ab initio study of the GeH ₅ species, Chem. Phys.	
Letters 173 (1990) 557. Erratum	178 (1991) 450
Mohebbi, A. and A.J. Shaka, Improvements in carbon-13 broadband homonuclear cross-	178 (1991) 374
polarization for 2D and 3D NMR	,
Molski, A., Non-classical steady state reaction rates for the diffusion mediated reaction $A+A\rightarrow 0$ with particle decay	178 (1991) 43
Mooney, C.E., S.J. Duray and D.D. Smith, Dynamics of exciton trapping in β -methyl-	, ,
naphthalene-doped naphthalene crystals: phonon-assisted detrapping of the electronic	
energy funnel state	178 (1991) 419
Morita, K., see H. Miyasaka	178 (1991) 504
Moudden, Z., see C. Naulin	178 (1991) 325
Muenster, O., see P. Diehl	178 (1991) 147
Müller, J., J. Burgdörfer and D. Noid, Semiclassical and quantal eigenenergies in the wake	
potential	178 (1991) 60
Myers, A.B., see X. Ci	178 (1991) 450
Nakagawa, K., see H. Uehara	178 (1991) 553
Natanson, G.A., A reduction of the reaction path formalism to the space of internal variables	178 (1991) 49
Naulin, C., M. Costes, Z. Moudden and G. Dorthe, Measurements of the radiative life-	170 (1001) 225
times of MgO(B $^{1}\Sigma^{+}$, d $^{3}\Delta$, D $^{1}\Delta$) states	178 (1991) 325
Nibbering, N.M.M., see T. Drewello	178 (1991) 285
Nielsen, O.J., H.W. Sidebottom, M. Donlon and J. Treacy, An absolute- and relative-rate study of the gas-phase reaction of OH radicals and Cl atoms with <i>n</i> -alkyl nitrates	178 (1991) 163
Nishijima, M., see Y. Taguchi	178 (1991) 363
Noid, D., see J. Müller	178 (1991) 60
Noid, D., see J. Muller	178 (1991) 00
Ohta, T., see K. Seki	178 (1991) 311
O'Malley, P.J., see W.B. De Almeida	178 (1991) 483
Oref, I., see F.R. Blackburn	178 (1991) 538
Otto, A., see B.N.J. Persson	178 (1991) 204
Owens, T.G., see A.P. Shreve	178 (1991) 89
Ozier, I., see D.T. Cramb	178 (1991) 115
Park, J., see J. Wellman	178 (1991) 405
Persson, B.N.J., D. Schumacher and A. Otto, Surface resistivity and vibrational damping	176 (1991) 403
in adsorbed layers	178 (1991) 204
Petelenz, P. and M. Slawik, Band structure of charge transfer excitons in crystalline tetracene	178 (1991) 337
Petsalakis, I.D., see G. Theodorakopoulos	178 (1991) 475
Pola, J., H. Beckers and H. Bürger, Single-pulse laser-induced decomposition of	(1//1/) 1//
trifluoromethylsilane	178 (1991) 192
Prassides, K. and P.N. Schatz, Optical properties of the prototype II-IV mixed-valence	, ,
system Wolffram's red salt: a one mode treatment	178 (1991) 227

Preuss, H., see E. Czuchaj	178 (1991) 246
Rackovsky, S., Theory of geminate recombination as a molecular process: the low-field	
regime	178 (1991) 19
Rastogi, R.P., K. Mani and G.P. Misra, Belousov-Zhabotinskii reaction systems in the	(, , , , , , , , , , , , , , , , , , ,
presence of Ag ⁺	178 (1991) 171
Ratajczak, H., see J. Moc	178 (1991) 450
Raychev, P.P., see D. Bonatsos	178 (1991) 221
Rebentrost, F., see E. Czuchaj	178 (1991) 246
Reedijk, J., see L. De Cola	178 (1991) 491
Reilly, P.T.A., Y. Xie and R.J. Gordon, Product state distribution in the photodissociation	
of vinyl chloride at 193 nm	178 (1991) 511
Rendell, A.P., T.J. Lee and A. Komornicki, A parallel vectorized implementation of triple	
excitations in CCSD(T): application to the binding energies of the AlH ₃ , AlH ₂ F, AlHF ₂	
and AlF ₃ dimers	178 (1991) 462
Robles, E.S.J., A.M. Ellis and T.A. Miller, Laser-induced fluorescence spectra of the cold	
radicals, ZnCH ₃ and CdCH ₃ , and their inert-gas complexes, X-CdCH ₃ (X=He, Ne, Ar,	
Kr and Xe)	178 (1991) 185
Röhse, R., see W. Klopper	178 (1991) 455
Rudziński, J.M., see J. Moc	178 (1991) 450
Rühl, E., H.W. Jochims, C. Schmale, E. Biller, A.P. Hitchcock and H. Baumgärtel, Core-	
level excitation in argon clusters	178 (1991) 558
Saito, M., see Y. Enomoto	178 (1991) 235
Saito, S., see M. Era	178 (1991) 488
Sanche, L., see P. Swiderek	178 (1991) 289
Sander, S.P., see A.J. Colussi	178 (1991) 497
Sanechika, K., see K. Seki	178 (1991) 311
Santiago, A., see K.I. Barnhard	178 (1991) 150
Schaafsma, T.J., see I.V. Stanishevsky	178 (1991) 141
Schafer, K.J., see J.L. Krause	178 (1991) 573
Schatz, P.N., see K. Prassides	178 (1991) 227
Schlyer, B.D., see D. Chaudhuri	178 (1991) 97
Schmale, C., see E. Rühl	178 (1991) 558
Schmidt, L.D., see C.M. Marks	178 (1991) 358
Schumacher, D., see B.N.J. Persson	178 (1991) 204
Schweiger, A., see C. Gemperle	178 (1991) 565
Scott, T.W. and C. Doubleday Jr., Picosecond photolysis of azo compounds in liquid al-	
kanes: geminate recombination kinetics for polyatomic free radical pairs	178 (1991) 9
Seki, K., H. Tanaka, T. Ohta, K. Sanechika and T. Yamamoto, UV photoelectron spec-	
troscopy of poly(1,1'-ferrocenediyl)	178 (1991) 311
Sellers, H., On modeling chemisorption processes with metal cluster systems II. Model	
atomic potentials and site specificity of N atom chemisorption on Pd(111)	178 (1991) 351
Sen, K.D. and M.K. Harbola, Stable negative ions within a local exchange formalism	178 (1991) 347
Severance, D.L., see A.J. Gotch	178 (1991) 121
Sha, GH., see ZL. Cai	178 (1991) 273

Shafarainh VV. E Americal and I Delaire Diseaseand fluorescence study of a semi	
Shafirovich, V.Ya., E. Amouyal and J. Delaire, Picosecond fluorescence study of a semi- rigid Zn-porphyrin-viologen dyad. Evidence for two dyad conformers	178 (1991) 24
Shaka, A.J., see A. Mohebbi	178 (1991) 374
Shaley, E. and J. Jortner, Microscopic solvation effects on pure radiative lifetimes of large	170 (1771) 374
molecules in heteroclusters	178 (1991) 31
Shimojima, A., see J. Abe	178 (1991) 547
Shobatake, K., see A. Hiraya	178 (1991) 543
Shreve, A.P., J.K. Trautman, T.G. Owens and A.C. Albrecht, Determination of the S ₂ life-	
time of β-carotene	178 (1991) 89
Sidebottom, H.W., see O.J. Nielsen	178 (1991) 163
Slawik, M., see P. Petelenz	178 (1991) 337
Smith, D.D., see C.E. Mooney	178 (1991) 419
Snavely, D.L., see F.R. Blackburn	178 (1991) 538
Stanishevsky, I.V., T.J. Schaafsma and R.B.M. Koehorst, Energy transfer in a rhodamine-	
porphyrin mixture monitored by optically detected magnetic resonance	178 (1991) 141
Stanton, J.F., see J.D. Watts	178 (1991) 471
Stoll, H., see E. Czuchaj	178 (1991) 246
Studer, S.L., see PT. Chou	178 (1991) 393
Stuke, M., see Th. Beuermann	178 (1991) 197
Suguro, H., see H. Uehara	178 (1991) 553
Swiderek, P., M. Michaud, G. Hohlneicher and L. Sanche, Electron-energy-loss spectros-	170 (1001) 200
copy of solid phenanthrene and biphenylene: search for the low-lying triplet states	178 (1991) 289
Taguchi, Y., M. Fujisawa and M. Nishijima, Adsorbed state of benzene on the	
Si(111)(7×7) surface	178 (1991) 363
Takahashi, H., see J. Abe	178 (1991) 547
Tanaka, H., see K. Seki	178 (1991) 311
Tasumi, M., see H. Hayashi	178 (1991) 388
Temps, F., see A. Geers	178 (1991) 317
Theodorakopoulos, G. and I.D. Petsalakis, Asymmetric dissociation and bending poten-	
tials of H ₂ S in the ground and excited electronic states	178 (1991) 475
Thomas, K.G., see P.V. Kamat	178 (1991) 75
Tinti, D.S., see E.M. McCauley	178 (1991) 109
Toennies, J.P., see K. Martini	178 (1991) 429
Trautman, J.K., see A.P. Shreve	178 (1991) 89
Treacy, J., see O.J. Nielsen	178 (1991) 163
Tsutsui, T., see M. Era	178 (1991) 488
Tzeng, W.B., see S. Wei	178 (1991) 411
Uehara, H., K. Horiai, K. Nakagawa and H. Suguro, Infrared emission spectrum of GaF	178 (1991) 553
Urban, RD. and H. Jones, Diode laser spectroscopy of the MnD radical ($^{7}\Sigma$) and the	
determination of mass-independent parameters	178 (1991) 295
Urdahl, R.S., Y. Bao and W.M. Jackson, An experimental determination of the heat of	
formation of C ₂ and the C-H bond dissociation energy in C ₂ H	178 (1991) 425
Von Borograficanski C. soo S.A. Cilbert	170 (1001) 270
Von Borczyskowski, C., see S.A. Gilbert	178 (1991) 379
Vos, J.G., see L. De Cola	178 (1991) 491

	•	
Volume 178, number 5,6	CHEMICAL PHYSICS LETTERS	5 April 1991
Wallwork, A.L., see A.C. Legon		178 (1991) 279
Wang, D., see Q. Lu		178 (1991) 517
Wang, N.C., see H.T. Liou		178 (1991) 80
Watts, J.D., I. Cernusak and R.J	. Bartlett, A coupled-cluster study of the photoelectron	
spectra of C ₄		178 (1991) 259
and triple excitation (CCSDT	J. Bartlett, A benchmark coupled-cluster single, double, c) study of the structure and harmonic vibrational fre-	
quencies of the ozone molecul		178 (1991) 471
	astleman Jr., Evidence of cyclic structures in protonated	
hydrogen-bonded complexes		178 (1991) 411
Weiner, B.R., see K.I. Barnhard		178 (1991) 150
	hberger, On the origin of carbon dioxide in the O+CH ₂ O	.=0 (1001) 105
reaction		178 (1991) 405
Wiebrecht, J.W., see A. Geers		178 (1991) 317
Winkler, C., see K. Martini		178 (1991) 429
Wolfrum, J., see B. Atakan		178 (1991) 157
Xie, Y., see P.T.A. Reilly		178 (1991) 511
Yamabe, S., see K. Hiraoka		178 (1991) 103
Yamamoto, T., see K. Seki		178 (1991) 311
Yang, H., see H.T. Liou		178 (1991) 80
Yang, L., D. Heinemann and D. k	Kolb, An accurate solution of the two-centre Dirac equa-	
tion for H ₂ ⁺ by the finite-eleme	ent method	178 (1991) 213
Yatsevich, I.O., see Yu.N. Gartste	ein	178 (1991) 216
Yeo, G.A. and T.A. Ford, Ab inition	o molecular orbital calculations of the infrared spectrum	
of the hydroxylamine-ammon	ia complex	178 (1991) 266
Yoon, B.J. and M.S. Jhon, Ab init	io potential function of flexible water-water interaction	178 (1991) 253
Yoshimori, A., see Y. Enomoto		178 (1991) 235
Yu, H., J.D. Goddard and D.J. Cle	outhier, Theoretical predictions concerning low-lying ex-	
cited electronic states of sulfur	difluoride, SF ₂	178 (1991) 341
Yu, S., see Q. Lu		178 (1991) 517
Zarrahian S. M.K. Kazempour a	and G.A. Estévez, A statistical approach to the configu-	
ration interaction problem	and O.A. Estevez, A statistical approach to the comiga	178 (1991) 55
Zhang, CH., see ZL. Cai		178 (1991) 273
Zhang, Y., see Q. Lu		178 (1991) 517
Zundel, G., see B. Brzezinski		178 (1991) 135
Zundel, G., see B. Brzezinski		178 (1991) 138
Zwier, T.S., see A.J. Gotch		178 (1991) 121